

03060101-100

(Three and Twenty Creek/Lake Hartwell)

General Description

Watershed 03060101-100 is located in Pickens and Anderson Counties and consists primarily of **Three and Twenty Creek** and its tributaries, which form an arm of **Lake Hartwell**. The watershed occupies 58,972 acres of the Piedmont region of South Carolina. The predominant soil types consist of an association of the Cecil-Hiwassee series. The erodibility of the soil (K) averages 0.26, and the slope of the terrain averages 10% with a range of 2-25%. Land use/land cover in the watershed includes: 51.5% forested land, 41.0% agricultural land, 4.9% urban land, 1.4% water, 0.7% forested wetland, and 0.5% barren land.

Three and Twenty Creek originates near the City of Easley and accepts drainage from Charles Creek, Carmel Creek, Pickens Creek, and Double Branch. Further downstream, Cuffie Creek enters Three and Twenty Creek followed by Big Garvin Creek (Bishop Branch, Little Garvin Creek), Town Creek, and Millwee Creek. There are a total of 96.0 stream miles and 872.5 acres of lake waters in this watershed, all classified FW.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
SV-735	BIO	FW	THREE AND TWENTY CREEK AT S-04-280
SV-111	S	FW	THREE AND TWENTY CREEK AT S-04-29

Three and Twenty Creek - There are two monitoring sites along Three and Twenty Creek. At the upstream site (**SV-735**), aquatic life uses are fully supported based on macroinvertebrate community data.

At the downstream site (**SV-111**), aquatic life uses are fully supported. A significant increasing trend in dissolved oxygen concentration and significant decreasing trend in five-day biochemical oxygen demand suggest improving conditions for these parameters. Recreational uses are not supported at this site due to fecal coliform bacteria excursions. In addition, there is a significant increasing trend in fecal coliform bacteria concentration.

A fish consumption advisory has been issued by the Department for PCBs (Polychlorinated biphenols) and includes the impounded area (Lake Hartwell) of Three and Twenty Creek within this watershed (see advisory p.37).

NPDES Program

Active NPDES Facilities

<i>RECEIVING STREAM FACILITY NAME PERMITTED FLOW @ PIPE (MGD)</i>	<i>NPDES# TYPE COMMENT</i>
THREE AND TWENTY CREEK MT. VERNON MILLS/LA FRANCE PIPE #: 001 FLOW: TIER I = 0.1 PIPE #: 001 FLOW: TIER II = 0.5 PIPE #: 002 FLOW: M/R	SC0000485 MAJOR INDUSTRIAL
THREE AND TWENTY CREEK MICHELIN N AMERICA/SANDY SPRINGS PIPE #: 001 FLOW: M/R	SC0026701 MAJOR INDUSTRIAL

Nonpoint Source Management Program

Land Disposal Activities

Landfill Facilities

<i>LANDFILL NAME FACILITY TYPE</i>	<i>PERMIT # STATUS</i>
GERBER CHILDRENSWEAR LANDFILL INDUSTRIAL	232408-1301 INACTIVE
MARTIN GRADING & SAND CO. C & D	392900-1303 INACTIVE
MARTIN GRADING LAND C&D LANDFILL C & D	392600-1702 ACTIVE

Growth Potential

There is a moderate potential for growth in this watershed, which contains portions of the Towns of Pendleton and La France. The area between the City of Anderson and Pendleton, including the Town of La France, along U.S. Hwy 76, is predicted to grow significantly. In addition, a rail line, an encouragement for growth, runs through LaFrance and Pendleton to Seneca.